

Strongwatch Technology Overview

Strongwatch Corporation delivers innovative mobile and fixed surveillance systems utilizing common architecture that share patented or patent pending technologies and that address large, emerging segments of the wide area surveillance market.

The two key products are Freedom On-The-Move (FOTM) and Freedom 360 (F360). FOTM is designed for use in a moving or static vehicle and detects objects of interest at distances up to 4 miles where actionable intelligence from a safe distance is critical - border security, search and rescue, urban settings (tactical/SWAT) and first responder environments. FOTM consists of thermal infrared and visible sensors in a highly engineered package mounted on a retractable / concealable mast system for standard fleet vehicles that is tightly integrated with the vehicle. Freedom 360 is a stationary system for fixed site installation that provides continuous thermal-infrared, panoramic video for autonomous intrusion detection and protection of wide area, critical infrastructure.

FOTM's multi-mode sensor head mounts on a fully integrated, rugged platform that is ideal for border security applications. The system features day-night color and thermal-infrared sensors, a gyro-stabilized, two-axis precision gimbal that provides "on-the-move" capability, laser illuminator and pointer, laser range finder, remote operator capability, common operating picture sharing, DVR, and a very intuitive user interface. The sensor mounts on a retractable mast that nests in the truck bed for storage and concealment. The system is designed to be unobtrusive and non-obvious so as to facilitate covert operations, further helping to protect the public servants using FOTM to save lives. Systems have been deployed along the southern border and are receiving excellent testimonials. FOTM's innovative, rugged design, patented human detection and tracking capabilities, and patent pending user interfaces and features make it the premier mobile multi-sensor system on the market today.

Freedom360 (F360) is a day-night human detection system that outputs a thermal panoramic (360°) video. The sensor head is on a precision gimbal atop a custom mast and delivers data to wired or wireless networks. It draws on the FOTM product's precise motion control, multi-sensor integration, and integrated real-time image processing. F360 is the only uncooled wide area, continuous duty surveillance system on the market, and a significant leap from the technology state-of-the-art, providing "beyond the fence" surveillance capability to traditional perimeter surveillance systems. F360 reduces the number of elements in a traditional perimeter and area camera system by over 10X resulting in significant cost savings along with better performance and added capabilities such as built in deterrence systems and alarms.



Freedom On-The-Move



Freedom 360